

MISSOURI VOCATIONAL ENTERPRISES  
MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

Manufacturer's Name : Missouri Vocational Enterprises  
Address: P.O. Box 236 Telephone No. (573)-751-6663  
Jefferson City, Missouri 65102  
Trade Name: Heavy Duty Automatic Laundry Detergent Product Number: F-412A  
Synonyms: VBLOC:  
DOT Proper Shipping Name:  
STCC: None Required

II HAZARDOUS INGREDIENTS OF MIXTURES

Material:	% By WT.	TLV
Dodecylbenzene Sulfonic Acid	6.20	1mg/M <sup>3</sup>
Diethanolamine	1.13	3 ppm
Triethanolamine	3.05	N/A

Not considered hazardous as provided in finished product.

III HAZARDOUS INGREDIENTS OF MIXTURES

Vapor Pressure mm hg @ 20C: N/A	Vapor Density (Air=1) 60-90F: N/A
Evaporation Rate (Ether=1): N/A	% Volatile by WT.: N/A
Solubility in H <sub>2</sub> O=1 @ 25C : Complete	
Freezing Point F : N/A	PH as Distributed : 7.
Boiling Point F @ 14.7 psig: N/A	Appearance : Liquid
Specific Gravity H <sub>2</sub> O=1 @ 25C: 1.034	Odor: N/A

IV FIRE AND EXPLOSION

Flash Point F (Closed Cup): N/A	Autoignition Temperature: N/A	Flammable (Explosive) Limits: N/A
------------------------------------	----------------------------------	--------------------------------------

Extinguishing Media: Suitable to origin of fire.  
Special Fire Fighting Procedures: N/A  
Unusual Fire and Explosion Hazards: N/A

V EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush eyes with flowing water for 15 minutes, and contact Physician.  
Skin: Immediately flush affected area with plenty of water for at least 15 minutes. Contact a Physician. Remove contaminated clothes and Launder before reuse.  
Inhalation: Remove to fresh air and call Physician.  
Ingestion: N/A  
Over Exposure Effects: Harmful or Fatal if swallowed.

## MATERIAL SAFETY DATA SHEET

### VI REACTIVITY DATA

Conditions Contributing to Instability: N/A

Incompatibility : N/A

Hazardous Decomposition Products : Forced ignition of dried residues may produce CO, CO<sub>2</sub>, Nitrogen Oxides.

Conditions Contributing to Hazardous Polymerization : Will not occur.

### VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled : Spills may be picked up with a mop or with flowing water.

Neutralizing Chemicals : N/A

Waste Disposal Methods : Minor Quantity, Flush to sewer if permitted by local regulations. Major Quantity, Dispose of in an approved dump site.

### VIII SPECIAL PROTECTION INFORMATION

Respiratory :  
N/A

Eye :  
N/A

Gloves :  
N/A

Other Clothing and Equipment : N/A

Ventilation : N/A

### IX SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : For Industrial or Institutional use.

Other Precautions : Read and observe labeled use instructions.

Prepared by : Elvin Nichols Title : Chemist II Date : September 30, 1999  
While Seller believes that the information contained herein is accurate, such information is offered solely for its customers' consideration and verification under their specific use conditions. This information is not to be deemed a warranty or representation of any kind for which Seller assumes legal responsibility.

Product Number : F-412A

Page 2 of 2